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CSCI 351: Week 5 Overview

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Greetings,

Here is your overview for Week 5:

TLCL BOOK: *Chapter 8, Advanced Keyboard Tricks* covers the `clear` and `history` commands. *Chapter 9, Permissions* covers DAC ownership and permissions and includes the following commands... `id`, `chmod`, `umask`, `su`, `sudo`, `chown`, `chgrp` and `passwd`. Good review of last week's materials.

TUESDAY: Package Management - I cover `rpm` and `dnf`. The former is a lower-level package manager that you don't often use directly, and the later is higher-level written in Python. Package managers are a "killer feature" of Linux to learn as much as you can by practicing.

THURSDAY: Process and Resource Management - I go over a few commands including `ps`, `pstree`, `nice`, `renice`, and `kill`... as well as give you a preview of `systemd` and `cgroups`. Also be aware of the `/etc/security/limits.conf` file.

VIDEO: systemd's resource management features - A short video (less than 4 minutes) that explains the basics of `cgroups` and resource management as provided by `systemd`.

VIDEO: USENIX Security Keynote (2018) - A hysterical take (try not to laugh) on AI and computer science, and the Internet of Things (IoT). Did you know the S in IoT is for security?

Comments, questions or suggestions?

TYL,
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